

## Special Issue

# Quantum Technologies in Electrodynamic Resonators and Waveguides

### Message from the Guest Editors

We are pleased to invite you to submit a manuscript to the *Photonics* Special Issue 'Quantum Technologies in Electrodynamic Resonators'. We welcome contributions covering the following systems:

- Ultra-cold atoms in optical cavities
- Superconducting circuits interacting with microwave resonators and waveguides
- Polaritons in optical cavities
- Quantum fluids of light

These can be matched with one of the following topics:

- Materials engineering
- Quantum devices
- Quantum metrology
- Quantum simulators for condensed-matter physics
- Quantum simulators for fundamental physics
- Quantum information and computing

Given the Special Issue's main goal, we open to two different types of contributions:

- Original articles telling new stories on the solution of an open problem, yet nestled within a comprehensive overview of the other open problems in the field
- Reviews, possibly joining experimental and theoretical analysis

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### Guest Editors

Prof. Dr. Maria Luisa Chiofalo

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### Deadline for manuscript submissions

closed (15 December 2022)



## Photonics

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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### Editor-in-Chief

Prof. Dr. Nelson Tansu

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Instrumentation)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).